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#### ABC LABORATORIES, INC. **EAST 4922 UNION AVENUE** SPOKANE, WA 99219 509-534-0161

REPORT TO: Spokane County Dept. of Utilities

N. 811 Jefferson

Spokane, WA 99210

LAB NO: 33150-89

DATE: 12-15-89

**SAMPLE DATE: 12-8-89** 

ATTN:

**Bruce Austin** 

P.0.#:

DESCRIPTION: Perform Volatile Organic Scan on 16 submitted samples from the wells in the Colbert Landfill area. Analyses performed by methods outlined in proposal of December 8th. 1988.

DETECTION LIMITS: 1 part per billion

ND: Not Detected

This document contains 5 pages.

Respectfully Submitted, ABC LABORATORIES, INC.

W.E. Burkhardt

Manager

**USEPA SF** 

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Spokane County Dept. of Utilit Lab NO. 32150-89	ies					
NAME	Travel Blank	Travel Blank	Travel Blank	Travel Blank 12-11-89	(b) (6)	
WELL NO.			11-0-09	12=11=03	1573D-1	14730-4
Chloroform	ND	ND	ND	ND	ND	ND
1,1-Dichloroethane	ND	ND	ND	ND	ND	ND
1,1-Dichloroethylene	ND	ND	ND	ND	ND	ND
Trichloroethylene	ND	ND	ND	ND	ND	ND
1,1,1-Trichloroethane	ND	ND	ND	ND	ND	NĐ
Tetrachloroethylene	ND	ND	ND	ND	ND	ND
Methylene Chloride	ND	ND	ND	ND	ND	ND
1 - Pentene	ND	ND	ND	ND	ND	ND
Cyclopentane	ND	ND	ND	ND	ND	ND
Trans 2-Hexene	ND	ND	ND	ND	ND	ND
Benzene	ND	NĎ	ND	ND	ND	ND
Toluene	ND	ND	ND	ND	ND	ND
Ethylene DiBromide	ND	ND	ND	ND	ND	ND
Ethyl Benzene	ND	ND	ND	ND	ND	ND
M-xylene	ND	ND	ND	ND	ND	ND
0-xylene	ND	ND	ND	NĎ	ND	ND
P-xylene	ND	ND	ND	ND	ND	ND
Cumene	ND	ND	ND	ND	ND	ND
1,2,4-Trimethyl Benzene	ND	ND	ND	ND	NĎ	ND
P-cymene	ND	ND	ND	ND	ND	ND
Chlorobenzene	ND	ND	ND	ND	ND	ND
M-dichlorobenzene	ND	ND	ND	ND	ND	ND
O-dichlorobenzene	ND	ND	ND	ND	ND	ND
P-dichlorobenzene	ND	ND	ND	ND	ND	ND
Methyl Ethyl Ketone	ND	ND	ND	ND	ND	ND
Acetone	ND	ND	ND	ND	ND	ND
Bromodichioromethane	ND	ND	ND	ND	ND	ND
Bromoform	ND	ND	ND	ND	ND	ND
Carbon Tetrachloride	ND	ND	ND	ND	ND	ND
Dibromochioromethane	ND	ND	ND	ND	ND	ND
1,2-Dichlorcethane	ND	ND	ND	ND	ND	NĎ
Trans 1,2-Dichloroethane	ND	ND	ND	ND	ND	ND
Trans 1,2-Dichloroethylene	ND	ND	ND	ND ND	ND	ND
1,2-Dichloropropane	ND	ND	ND	ND	ND	ND
Cis 1,3-Dichloropropylene	ND	NĎ	ND	ND	ND	ND
Trans 1,3-Dichloropropylene		ND	ND	ND	ND	ND
1,1,2,2-Tetrachloroethane	ND	ND	ND	ND	ND	ND
1,1,2,-richloroethane	ND	ND	ND	ND	ND	ND
2-Chloroethylvinyl Ether	ND	ND	ND	ND	ND	ND

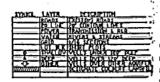
Spokene County Dept. of Utilities						
Lab NO. 32150-89 NAME	(b) (6)					
WELL NO.	0273D-1	1473M-1	1473M-1 Comfirming	1573E-3	1573B-5	1573B-5 Confirming
Chloroform	ND	ND	ND	ND	ND	ND
1,1-Dichloroethane	ND	ND	ND	NĎ	ND	ND
1,1-Dichloroethylene	ND	ND	ND	ND	ND	ND
Trichloroethylene	ND ·	ND	ND	ND	ND	ND
1,1,1-Trichloroethane	ND	23	24	NĎ	6	4
Tetrachloroethylene	ND	ND	ND	ND	ND	NĎ
Methylene Chloride	ND	ND	ND	ND	ND	ND
1-Pentene	ND	ND	ND	ND	ND	ND
Cyclopentane	ND	ND	ND	ND	ND	ND
Trans 2-Hexene	ND ND	ND	ND	ND	ND	ND
Benzene Toluene	ND ND	ND ND	ND ND	ND	ND ND	ND ND
Ethylene DiBromide	ND	ND	ND ND	ND ND	ND ND	ND
Ethyl Benzene	ND	ND	ND ND	ND	ND	ND
M-xylene	ND	ND	ND	ND	ND	ND
0-xylene	ND	ND	ND	ND	ND	ND
P-xylene	ND	NĎ	ND	ND	ND	ND
Cumene	ND	ND	ND	ND	ND	ND
1,2,4-Trimethyl Benzene	ND	ND	ND	ND	ND	ND
P-cymene	ND	ND	ND	ND	ND	ND
Chlorobenzene	ND	ND	ND	ND	ND	ND
M-dichlorobenzene	ND	ND	ND	ND	ND	ND
0-dichlorobenzene	ND	ND	ND	ND	ND	ND
P-dichlorobenzene	ND	ND	ND	ND	ND	ND
Methyl Ethyl Ketone	ND	ND	ND	ND	ND	ND
Acetone	ND	ND	ND	ND	ND	ND
Bromodichioromethane	ND	ND	ND	ND	ND	ND
Bromoform	ND	ND	ND	ND	ND	ND
Carbon Tetrachloride	ND	ND	ND	ND	ND	ND
Dibromochloromethane	ND	ND	ND	ND	ND	ND
1,2-Dichloroethane	ND	ND	ND	ND	ND	ND
Trans 1,2-Dichloroethane	ND	ND	ND	ND	ND	ND
Trans 1,2-Dichloroethylene	ND	ND	ND	ND	ND	ND
1,2-Dichloropropane	ND	ND	ND	ND	ND	ND
Cis 1,3-Dichloropropylene Trans 1,3-Dichloropropylene	ND	ND	ND	ND	ND	ND
1,1,2,2-Tetrachloroethane	ND ND	ND ND	ND	ND	ND	ND ND
1,1,2,-richloroethane	ND	ND ND	ND ND	ND ND	ND ND	ND
2-Chloroethylvinyl Ether	ND	ND ND	ND ND	ND ND	ND ND	ND
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Spokane County Dept. of Utilities Lab NO. 32150-89						
NAMÉ	(b) (6)		N. Glen Estates	N. Glen Estates	(b) (6)	(b) (6) Springs
WELL NO.	15730-3	0273E-2	1073D-2	1073D-2 Comfirming	15730-4	1073P-1
Chloroform	ND	ND	ND	ND	ND	ND
1,1-Dichloroethane	ND	ND	ND	ND	ND	ND
1,1-Dichloroethylene	ND	ND	ND	ND	ND	ND
Trichloroethylene	ND	ND	ND	ND	ND	ND
1,1,1-Trichloroethane	ND	ND	4	5	ND	2
Tetrachloroethylene	ND	ND	ND	ND	ND	ND
Methylene Chloride	ND	ND	ND	ND	ND	ND
1-Pentene	ND	ND	ND	ND	ND	ND
Cyclopentane	ND	ND	ND	ND	ND	ND
Trans 2-Hexene	ND	ND	ND	ND	ND	ND
Benzene	ND	ND	ND	NĎ	ND	ND
Toluene	ND	ND	ND	ND	ND	ND
Ethylene DiBromide	ND	ND	ND	ND	ND	ND
Ethyl Benzene	ND	ND	ND	ND	ND	ND
M-xylene	NĎ	ND	ND	ND	ND	ND
0-xylene	ND	ND	ND	ND	ND	ND
P-xylene	ND	ND	ND	ND	ND	ND
Cumene	ND	ND	ND	ND	ND	ND
1,2,4-Trimethyl Benzene	ND	ND	ND	ND	ND	ND
P-cymene	ND	ND	ND	ND	ND	ND
Chlorobenzene	ND	ND	ND	ND	ND	ND
M-dichlorobenzene	ND	ND	ND	ND	ND	ND
O-dichlorobenzene	ND	ND	ND	ND	ND	ND
P-dichlorobenzene	ND	ND	ND	ND	ND	ND
Methyl Ethyl Ketone	ND	ND	ND	ND	ND	ND
Acetone	ND	ND	ND	ND	ND	ND
Bromodichloromethane	ND	ND	ND	ND	ND	ND
Bromoform	ND	ND	ND	ND	ND	ND
Carbon Tetrachloride	ND	ND	ND	ND	ND	ND
Dibromochloromethane	ND	ND	ND	ND	ND	ND
1,2-Dichloroethane	ND	ND	ND	ND	ND	ND
Trans 1,2-Dichloroethane	ND	ND	ND	ND	ND	ND
Trans 1,2-Dichloroethylene	ND	ND	ND	ND	ND	ND
1,2-Dichloropropane	ND	ND	ND	ND	ND	ND
Cis 1,3-Dichloropropylene	ND	ND	ND	ND	ND	ND
Trans 1,3-Dichloropropylene 1,1,2,2-Tetrachloroethane	ND	ND ND	ND	ND	ND	ND
	ND	ND	ND	ND	ND	ND
1,1,2,-richlorcethane	ND ND	ND ND	ND	ND	ND	ND
2-Chloroethylvinyl Ether	ND	עא	ND	ND	ND	ND

Spokane County Dept. of Utiliti	<del>0</del> \$					
Lab NO. 32150-89 NAME	(b) (6)	(b) (6)				
WĒLL NO.	Springs 1073P-1	1573H-1	0273D-6	1573C-16	1573C-8	0273D-3
TILLE INO.	Confirming	107511 1	02100 0	10750 10	10750 0	02100 0
Chloroform	ND	ND	ND	ND	ND	ND
1,1-Dichloroethane	ND	ND	ND	ND	ND	ND
1,1-Dichloroethylene	ND	ND	ND	ND	ND	ND
Trichloroethylene	ND	ND	ND	ND	ND	ND
1,1,1-Trichloroethane	2	ND	ND	ND	ND	ND
Tetrachloroethylene	ND	ND	ND	ND	ND	ND
Methylene Chloride 1-Pentene	ND ND	ND ND	ND ND	ND	ND	ND ND
Cyclopentane	ND ND	ND	ND ND	ND ND	ND ND	ND
Trans 2-Hexene	ND	ND	ND	ND	ND ND	ND
Benzene	ND	ND	ND	ND	ND	ND
Toluene	ND	ND	ND	ND	ND	ND
Ethylene DiBromide	ND	ND	ND	ND	ND	ND
Ethyl Benzene	ND	ND	ND	ND	ND	ND
M-xylene	ND	ND	NĎ	ND	ND	ND
0-xylene	ND	ND	ND	ND	ND	ND
P-xylene	ND	ND	ND	ND	ND	ND
Cumene	ND	ND	ND	ND	ND	ND
1,2,4-Trimethyl Benzene	ND	ND	NĎ	ND	ND	NĎ
P-cymene	NĎ	ND	ND	ND	ND	ND
Chlorobenzene	ND	ND	ND	ND	ND	ND
M-dichlorobenzene	ND	ND	ND	ND	ND	ND
O-dichlorobenzene	ND	ND	ND	ND	ND	ND
P-dichlorobenzene	ND	ND	ND	ND	ND	ND
Methyl Ethyl Ketone	ND	ND	ND	ND	ND	ND
Acetone	ND	ND	ND	ND	ND	ND
Bromodichloromethane	ND	ND	ND	ND	ND	ND
Bromoform	ND	ND	ND	ND	ND	ND
Carbon Tetrachloride	ND	ND	ND	ND	ND	ND
Dibromochloromethane	ND	ND	ND	ND	ND	ND
1,2-Dichloroethane	ND	ND	ND	ND	ND	ND
Trans 1,2-Dichloroethane	ND	ND	ND	ND	ND	ND
Trans 1,2-Dichloroethylene	ND	ND	ND	ND	ND	ND
1,2-Dichloropropane	ND	ND	ND	ND	ND	ND
Cis 1,3-Dichloropropylene	ND	ND	ND	ND	ND	ND
Trans 1,3-Dichloropropylene		ND	ND	ND	ND	ND
1,1,2,2-Tetrachloroethane	ND	ND	ND	ND	ND	ND
1,1,2,-richloroethane	ND	ND	ND	ND	ND	ND
2-Chloroethylvinyl Ether	ND	ND	ND	ND	ND	ND

#### PERFORMANCE STANDARDS HAXIMAN ALLOHABLE CONTINUED CONCINERATIONS





Health Protection Levelas

Health Protection Levels are not to be exceeded, during operational life of resedial action in effluents from groundwater treatment systems. Persunent reduction of contaminant concentrations below these levels throughout the site will indicate completion of the remedial action.

	NOTE	· materies completion of	the remedial action.	
	ECT ACT DAMESTORY OF ALTT &		Haximum Concentration	
	SEC ACIT DAYONAMADE FECTION	Contaminant	parts per billion (ug/i)	Basis
	·	,	, , , , , , , , , , , , , , , , , , , ,	
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	113000 (2) 11	1,1,1-Trichlorosthans	(TCA) 200.0	HCL
// // il	( <del>-\</del>	1.1-Dichlorosthylana	(DCE) 7.0	HCL
1073 HOTEL		1,1-Dichloroethane	(DCA) 4050.0	NAG .
2012	/ [ ] [ ] [ ] [ ] [ ] [ ] [ ] [ ] [ ] [	Trichloroethylene	(TCE) 5.0	HCL ·
\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\		Tetrachloroethylene	(PCE or TETRA CL) 0.7	10 -8 cancer risk
	3	44 44	(HC) 2.5	10 -B cancer risk
1		SI_2237.		10 -2 02/21/ 712/
Para laba laba	11 1 2 11 2	lon 9		
1 11/4/14 1	372 Transmer IV	21/2/2/		
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(1)75 (1)75 (1) (1) (1) (1) (1) (1) (1) (1) (1) (1)	iai I. 331 SEM 17 10 A**I	17/200	DEG 08. 81 933150-83 WILL 4. 111-TCA 11-007	11-DCA TOR TETRACE CHIDROPORM METH ORCOL.
(3575) (6375)		550	(b) (6)	NO NO NO NO NO NO
1 / / / / / / / / / / /	(47)1957 F. 4   1   1	1 1000	07730-1 H0 H0	10 10 10 10 10 10 10 10 10 10 10 10 10 1
	WWW. Alaii	1 / 1	07730-1HGHG	HO HO HO HO
i / C-1// (Al-1	- 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	<del>-  </del>	# CLDS ESTATES 10730-1 - 9 - NO	<u> 160                                   </u>
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1 / 44/6-479 /1 11				
tiple of the state		20	DEG 08. 81 812150-89 WELL 8 111-TCA 11-005	11-DCA TOE TETRACI, CHILDROFORM METH CHILDS.
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1 30 1 100	/	471	(b) seamos 1973e-1 1 10	BBB
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	1172d 1172d	א הצוון	DELP	
1 1 1 1 1 1		! \ \	DEG 04, 43 233150-13 WILL S 111-TCA 11-DCS	11-8CA TCE TETRACL CHICADPORDE NETH CHICA.
\(\sigma \) \(\frac{1}{2} \) \(\frac{1}{2} \)	g        i	\	(b)	<u> 10 10 10 10 10 10 10 10 10 10 10 10 10 </u>
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<i>5 /   NORVODENA/ES</i> = 3   3   11		3		
	1573A 2A 61733 1173C	333		
	POOLAGE CT.			
AX II A Selice Ta		11	WALLOW.	NAME AND TRACK - CHILDROPORDS RETS DELCE.
	# 1		250 08. At 133150-11 WELL 1111-75A 11-205E	11-DCA TCE TETRACL CHICHOPORN NETH DR.CO.
13730 LEVEL 13730	1 100 1 100 100 100 100 100 100 100 100	36 19/34	(b) (6)	NO NO NO NO NO
1 con 30 / 3/ / 12 mg 12	1 1	\\	- 1373G-A - 10 - 10	HO HO HO HO HO
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f / /	1373	/m //		
			DEG_RB_B1_832150-88NELL_B_111-TGA_11-DGS	STATES TO TETRACE CHICAGOSTONI HETH CHICA.
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	18/1		(b) 13736-14 MO MO	160 160 160 160 160 160 160 160 160 160
27%	27/19/19/19/19	DOG PORCE TO		
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